

SUNGUARD® HIGH PERFORMANCE

HP Neutral 60/40

The all-season solution: solar protection & thermal insulation combined.

Contemporary architecture is notable for its generous use of glass. Homes and offices, flooded with light, play an important role in our quality of life. However, the high degree of transparency can also lead to increases in heat and ultraviolet light.

Our modern high performant solar protection glass such as SunGuard® HP Neutral 60/40 is able to minimise solar energy gain while allowing maximum visible light transmission for virtually any application.

- Uniform reflected and transmitted colour
- Available on laminated safety glass or can be laminated afterwards
- Can be tempered, heat-strengthened or curved
- Single product for both annealed and heat treatment
- May be screen printed with approved enamels*
- Easy to process: does not require edge deletion*

Visible light				Solar energy			Solar factor (g)	U-value (EN 673)	
Trans- mission [%]	Reflection outside [%]	Reflection inside [%]	Colour- rendering- index	Direct transmission [%]	Reflection outside [%]	Absorption [%]	EN 410 [%]	Air * Krypton 90% [W/m²K]	Argon 90% [W/m²K]
Double-glazing: 6-16-4, SunGuard® High Performance on #2.									
60	25	20	96	38	35	27	40	1,4	1,1
Triple-glazing: 6-12-4-12-4, SunGuard® High Performance on #2 + KlimaGuard® Premium on #5									
53	26	21	92	30	37	33	36	* 0,5	0,7

PROJECT: Mercedes Plaza – LOCATION: Moscow, Russia – ARCHITECT: ABD Limited, Boris Leviant



BUILD WITH LIGHT™

SunGuard® Products are available at several locations situated throughout Europe from GUARDIANs independent network of Processors. Please contact your local GUARDIAN representative for further information.

GUARDIAN Industries U.K. Ltd.
United Kingdom
Phone: 0044 (0) 800 032 6322
e-Mail: uksales@guardian.com

GUARDIAN Luxguard I, S.A.
Luxembourg
Phone: 00 352 50301
e-Mail: sales_bascharage@
guardian.com

GUARDIAN Glass España, S.L.
Spain
Phone: 00 34 948 817255
e-Mail: ctecnicas@guardian.com

GUARDIAN Orosháza Kft.
Hungary
Phone: 0036 (0) 68 887 200
e-Mail: oroshaza_sales@
guardian.com

GUARDIAN Thalheim GmbH
Germany
Phone: 0049 (0) 3494 361 800
e-Mail: anwendungstechnik@
guardian.com

GUARDIAN Czestochowa Sp zo.o.
Poland
Phone: 0048 (0) 34 323 9200
e-Mail: tech_poland@
guardian.com

GUARDIAN Steklo Ryazan LLC
Russia
Phone: 007 (8) 4912 956600
e-Mail: gsr_sales@guardian.com

* Please consult the SunGuard® processing directives and contact GUARDIAN for further information.

The performance values shown are nominal and subject to variations due to manufacturing tolerances. Spectra-photometric values according to EN 410; U-values according to EN 673.

The products in this publication are sold subject to GUARDIAN's standard terms and conditions of sale and any applicable written warranties. It is the responsibility of the purchaser to confirm that the products are suitable for their intended application. Please contact your local GUARDIAN representative to obtain any applicable handling and fabrication guides and for the most current product information.